



LKT Laboratories, Inc.

## Phenylbutazone

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### Product Information

**Product ID** P2810

**CAS No.** 50-33-9

**Chemical Name** 4-Butyl-1,2-diphenyl-3,5-pyrazolidinedione

**Synonym** Ambene, Artrizin, Butadion, Butoz, Equipalazone, Fenibutol, Intrabutazone, Phenyzene, Tevcodyne, Uzone

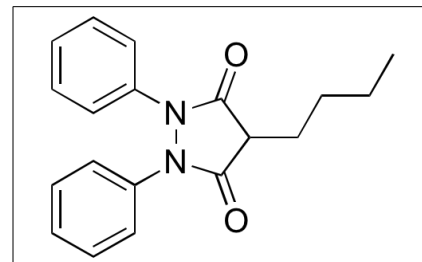
**Formula** C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>

**Formula Wt.** 308.37

**Melting Point** 105° C

**Purity** ≥98%

**Solubility** Soluble in water.



### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
P2810	25 g	\$45.70
P2810	100 g	\$121.20

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Phenylbutazone is a non-steroidal anti-inflammatory drug (NSAID) that inhibits COX-1 and COX-2 activity; it is no longer used in humans, but was previously used to treat inflammatory diseases such as arthritis and gout. Phenylbutazone exhibits anti-inflammatory, analgesic, antipyretic, and antioxidative activities. In vivo, phenylbutazone decreases edema; in separate cellular models, it inhibits activity of myeloperoxidase.

**References** Cusan C, Altinier G, Sosa S, et al. Anti-inflammatory and anti-oxidant activity of a new class of phenyl-pyrazolone derivatives. *Curr Drug Discov Technol.* 2006 Mar;3(1):67-73. PMID: 16712464.

Kettle AJ, Winterbourn CC. Mechanism of inhibition of myeloperoxidase by anti-inflammatory drugs. *Biochem Pharmacol.* 1991 May 15;41(10):1485-92. PMID: 1850278.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.